Application

- **Business – Boardroom to compact small meeting rooms**
- **Education – Classroom and tutorials**
- **Public – Retail promotional display systems**
- **Personal – Business and home**

WT600

Specification Sheet

Special features

- Aspheric mirror projector technology
- Worlds shortest projection throw distance
- Project a 40 inch image from 2½ inches *
- 3000:1 contrast ratio
- DLP XGA, with 2500 lumens brightness
- Optional, 40 inch combined stand and screen available
- Computer graphics display up to UXGA
- Global video display, including high definition
- Presentation viewer function
- Wireless or wired networking
- Low noise 32dB
- 3D Reform Keystone Correction
- 3-year pan-European repair and return guarantee

* The throwing distance and height of the bottom edge of the screen are calculated with an aspect ratio of 4:3.

A revolution in front projection utilizing NEC's exclusive aspheric mirror technology. The WT600 mirrored reflection projector allows for placement right up against the wall and is flexible enough for multiple applications. Never before has a projector allowed users to achieve so many screen sizes from such a short throw distance.

The WT600 is the perfect fit for tight cubical office spaces, classrooms and retail environments where there is limited space and obstacles to the view. Business meeting rooms have become smaller and while normal front projectors require a throw distance of feet, the WT600 can achieve up to a 100 inch screen display in less than 26 inches. In retail settings, shelf space is at a premium and the WT600 with its short throw distance, vivid graphics and video display can enhance customer interaction without reducing the merchandising display area. In the classroom environment, the WT600 can be moved to the front of the class providing the teacher more freedom to interact with the students without worrying about stepping into or blocking the projected image.

Empowered by Innovation NEC

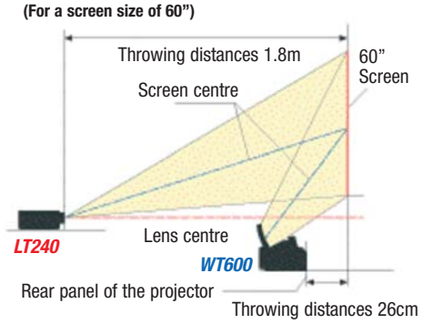
The WT600 projector comes with a 3 year pan-European repair and return guarantee

Specification Sheet

WT600

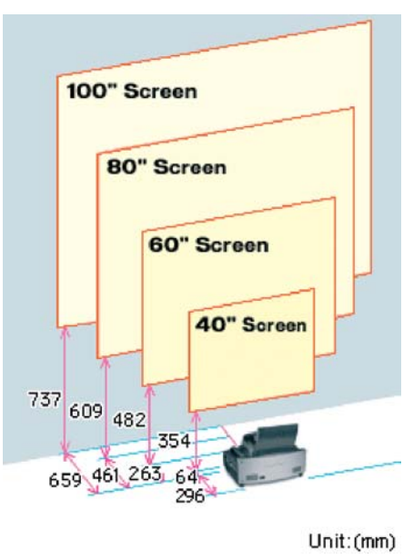
Advantages of the WT600 short throw projector

- **Comparison between the WT600 and LT240**
  (For a screen size of 60")



Projection throwing distance

Screen size - height x length (m)	Throwing distance*
40" (0.6 x 0.8)	6.4 cm
60" (0.9 x 1.2)	26.3 cm
80" (1.2 x 1.6)	46.1 cm
100" (1.5 x 2.0)	65.9 cm



Errors are within +/- 5% of these design values.
The throwing distance and height of the bottom edge of the screen are calculated with an aspect ratio of 4:3.

Input terminals

Specifications

Model Name		WT600		
DMD panel*		1 chip DMD (0.7") reflection, 1,024 x 768		
Lamp		220W DC (normal mode) / 176W (Eco mode)		
Lamp life**		2,000H (normal mode) / 3,000H (Eco mode)		
Image size		40inch to 100inch (projection distance: 0.064m to 0.659m)		
Light output		2,500 lumens (nomal mode) / 2,000 lumens (Eco mode)***		
Maximum resolution		UXGA (1,600 x 1,200 pixels) with Advanced AccuBlend		
Contrast ratio		3,000:1		
Optical unit		Aspheric mirror x 4		
Synchronization range	horizontal	15kHz to 100kHz (RGB: 24kHz or over)		
	vertical	50Hz to 120Hz		
Video bandwidth		RGB: 80MHz		
Horizontal resolution		540 TV lines: NTSC / NTSC 4.43 / PAL / Y · Cb · Cr		
		300 TV lines: SECAM		
Colour reproduction		Full colour, 16.7 million colours simultaneously		
Input terminals	1 DVI-I	1 DVI-I 29 pin	RGBHV (digital)	T.M.D.S Specifications VGA, SVGA, XGA, SXGA
			RGBHV (analogue)	VGA, SVGA, XGA, SXGA (with Advanced AccuBlend), UXGA (with Advanced AccuBlend)
		1 Stereo Mini Jack	Stereo L/R	0.5Vrms / 22kΩ or over
	1 RGB input	1 D-sub Mini 15 pin	RGBHV	VGA, SVGA, XGA, SXGA (with Advanced AccuBlend), UXGA (with Advanced AccuBlend)
			RGB	0.7Vp-p / 75kΩ
			H / V Sync	4.0 Vp-p / TTL Polarity
			Composite Sync	4.0Vp-p / TTL Level Polarity
			Sync on G	0.3Vp-p / 75kΩ Negative Polarity
		1 stereo Mini Jack	Stereo L/R	0.5Vrms / 22kΩ or over
	Component input (sharing with RGB input)	1 Mini D-Sub 15 pin (sharing with RGB input)	Y	1.0 Vp-p / 75kΩ (with Sync)
			Cb·Cr (Pb·Pr)	0.7 Vp-p / 75kΩ
			1125i (1080i), 750p (720p), 525p (480p), 525i (480i) / 60Hz	
			1080i / 50 Hz, Progressive PAL-scan / 50 Hz	
			DVD Component Video Signal (15kHz)	
		1 stereo Mini Jack (sharing with RGB input)	Stereo L/R	0.5Vrms / 22kΩ or over
	1 Video input	1 RCA pin	Composite Video	NTSC / NTSC 4.43 / PAL / PAL-N / PAL-M / PAL-60/SECAM
				1.0 Vp-p / 75kΩ
		2 RCA pin	Stereo L (MONO) / R	0.5Vrms / 22kΩ or over
	1 S-Video input	1 Mini DIN-4 pin	Y	1.0 Vp-p / 75kΩ
			C	0.286 Vp-p / 75kΩ
		2 RCA pin (sharing with RGB input)	Stereo L (MONO) / R	0.5Vrms / 22kΩ or over
Output terminals	1 RGB output	1 D-Sub Mini 15 pin	Output analogue signal	
	1 audio output	1 stereo Mini Jack		
Control terminals	2 USB port	1 A type, 1 B type		
	Remote control input	1 stereo Mini Jack	External control	
	PC control	1 Mini DIN-8 pin	RS-232C	
PC-Card slots		PCMCIA type II		
Built-in speaker		1W + 1W (stereo)		
Keystone Correction		H max ± 5 degrees:V max -5 degrees		
Environment	Operational temperatures	41° to 95°F (5° to 35°C), 20 to 80% humidity (non-condensing)		
	Storage temperatures	14° to 122°F (-10° to 50°C), 20 to 80% humidity (non-condensing)		
Power requirement		100 to 240V AC, 50Hz / 60Hz		
Power consumption		290W (lamp normal mode) / 230W (lamp Eco mode) / 0.6W (standby) / 8W (idle)		
Input current		3.2A (100 to 120V AC) / 1.6A (200 to 240V AC)		
Quietness		37dB (lamp nomal mode), 32dB (lamp Eco mode)		
Regulations		UL approved (UL 1950, CSA-950)		
		Meets DOC Canada class B requirements		
		Meets FCC class B requirements		
		Meets AS / NZS3548 class B		
		Meets EMC Directive (EN55022, EN55024, EN61000-3-2, EN61000-3-3)		
		Meets Low Voltage Directive (EN60950, TUV GS approved)		
Dimensions (W x H x D)		With the mirror cover open 380mm x 313mm x 313mm (not including protrusions)		
		With the mirror cover closed 380mm x 227mm x 296mm (not including protrusions)		
Net weight		5.9kg		

* Effective pixels are more than 99.99% of total pixels.
** Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half. It does not refer to the warranty period for the lamp.
*** 1,500 ANSI lumens (normal mode) / 1,200 ANSI lumens (Eco mode)
All specifications are subject to change without notice.

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